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Pending Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

 (Original) A method for fabricating a semiconductor component, which comprises the steps of:

providing a semiconductor body containing a substrate and at least one nitride compound semiconductor disposed on the substrate;

applying a metal layer to a surface of the semiconductor body; and dry-chemically removing a part of the metal layer and a part of the semiconductor body previously covered by the removed metal layer.

- 2. (Original) The method according to claim 1, which further comprises forming the nitride compound semiconductor as a compound having a formula $Al_y ln_x Ga_{J x_y} N$, $0 \le 1$, 0
- (Original) The method according to claim 1, wherein the dry-chemically removing step is preformed by the steps of:

forming a mask on the metal layer, a part of the metal layer not being covered by the mask;

removing that part of the metal layer which is not covered by the mask, a part of the surface of the semiconductor body thereby being uncovered and defining an uncovered surface; partially removing the semiconductor body in regions of the uncovered surface; and removing the mask. Applicant : Volker Härle et al. Attorney's Docket No.: 12406-140001 / P2001.0678 US N

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(Original) The method according to claim 3, which further comprises forming the 4 mask as a dielectric mask which contains at least one material selected from the group consisting of silicon oxide, aluminum oxide, silicon nitride, titanium oxide, Ta oxide, zirconium oxide, and a layer system containing at least one of the materials.

- 5 (Original) The method according to claim 3, which further comprises fabricating the mask photolithographically, in which a photoresist mask is fabricated on the mask.
- (Original) The method according to claim 1, which further comprises removing the metal layer by a sputtering-back method.
- (Original) The method according to claim 1, which further comprises removing 7. the part of the semiconductor body by an etching method.
- (Original) The method according to claim 1, which further comprises applying a passivation layer to the surface of the semiconductor body and part of the metal layer, at least a further part of the metal layer not being covered by the passivation layer.
- 9. (Original) The method according to claim 8, wherein the step of applying the passivation layer further comprises the steps of:

applying the passivation layer as a continuous passivation layer to the surface of the semiconductor body and the part of the metal layer;

applying a mask on the continuous passivation layer, the mask not covering the passivation layer at least in a region in which the passivation layer adjoins the metal layer; removing parts of the passivation layer which are not covered with the mask; and removing the mask.

10. (Original) The method according to claim 8, which further comprises forming the passivation layer to contain a silicon oxide.

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(Original) The method according to claim 9, which further comprises fabricating
the mask photolithographically.

12. (Original) The method according to claim 1, which further comprises applying a contact metallization

(Original) The method according to claim 1, which further comprises forming the
metal layer to contain a material selected from the group consisting of platinum and palladium.

 (Original) The method according to claim 1, which further comprises forming a thickness of the metal layer to be between 5 nm and 500 nm.

 (Original) The method according to claim 1, which further comprises forming the semiconductor body to be p-doped in a region adjoining the metal layer.

16. (Original) The method according to claim 15, which further comprises doping the p-doped region of the semiconductor body with a material selected from the group consisting of magnesium and zinc.

 (Original) The method according to claim 3, which further comprises forming the semiconductor body with a radiation-generating active layer.

 (Original) The method according to claim 17, wherein a semiconductor ridge structure is shaped by the partially removing of the semiconductor body step.

 (Original) The method according to claim 18, wherein the semiconductor ridge structure forms a waveguide at least for parts of radiation generated by the active layer. Applicant : Volker Härle et al. Attorney's Docket No.: 12406-140801 / P2601 0678 US N

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 (Original) The method according to claim 17, wherein the semiconductor component is a luminescence diode.

- 21. (Original) The method according to claim 20, wherein the luminescence diode is selected from the group consisting of light-emitting diodes, laser diodes, and laser diodes with a ridge waveguide.
- (Original) The method according to claim 2, which further comprises forming the substrate to be n-conducting.
- (Original) The method according to claim 22, which further comprises forming
 the substrate to be selected from the group consisting of n-doped SiC and n-doped GaN.
- (Original) The method according to claim 1, which further comprises forming a
 thickness of the metal layer to be between 40 nm and 120 nm.
- (Original) The method according to claim 1, which further comprises removing the metal layer by an etching method.